UNIVERSITÀ DEGLI STUDI DI MILANO

TO MAGNIFICO RETTORE OF UNIVERSITA' DEGLI STUDI DI MILANO

I the undersigned asks to participate in the public selection, for qualifications and examinations, for the awarding of a type A post-doc fellowship

Riccardo Spinelli

CURRICULUM VITAE

PERSONAL INFORMATION

Surname	Spinelli
Name	Riccardo
Date of birth	10/07/1994

PRESENT OCCUPATION

Appointment	Structure
PhD Student	University of Insubria, Italy

EDUCATION AND TRAINING

Degree	Course of studies	University	year of achievement of the degree
Master Degree	Astrophysics	Milano-Bicocca	2019

OTHER ACTIVITIES

Sept-Dec 2022	Visiting Student at University of Michigan, USA

FOREIGN LANGUAGES

Languages	level of knowledge
English	B2

RESEARCH INTEREST

Exoplanets: Star-planet interaction; X-ray/UV stellar irradiation and atmospheric escape, habitability

High energy transient events: Gamma Ray Bursts

DATA EXPERIENCE: XMM-Newton, Chandra, Swift, Hubble Space Telescope

Università degli Studi di Milano - Direzione Trattamenti Economici e Lavoro Autonomo
Ufficio Contratti di formazione e Ricerca
Via Sant'Antonio 12 - 20122 Milano, Italia - Assegni.postdoc@unimi.it

CONGRESSES AND SEMINARS

Date	Title	Place
Oct 2022	The XUV environment of exoplanets	University of Michigan
Sept 2022	The high energy radiation effects on exoplanets	University of Insubria
Sept 2021	The best place and time to live in the Milky Way	Europlanet Science Congress
Sept 2021	The high-energy radiation environment of the habitable-zone super-Earth LHS 1140b	Europlanet Science Congress
May 2021	Mass extinctions	University of Insubria
Jan 2021	The best place and time to live in the Milky Way	IASF-Milano

PUBLICATIONS

Articles in journals
The impact of GRBs on exoplanetary habitability **R. Spinelli**, G. Ghirlanda, 2022, MDPI Universe, Special Issue; GRBs Phenomenology, Models and Applications: A Beginner Guide, accepted
The ultraviolet habitable zone of exoplanets **R. Spinelli**, F. Borsa, G. Ghirlanda, G. Ghisellini, F. Haardt, 2022, Monthly Notices of the Royal Astronomical Society, submitted
Planetary parameters, XUV environments and mass-loss rates for nearby gaseous planets with X-ray detected host-stars **R. Spinelli**, E. Gallo, F. Haardt, A. Caldiroli, F. Biassoni, F. Borsa, E. Rauscher, 2022, The Astrophysical Journal, submitted
Irradiation-driven escape of primordial planetary atmospheres II. Evaporation efficiency of sub-Neptunes through hot Jupiters A. Caldiroli, F. Haardt, E. Gallo, **R. Spinelli**, I. Malsky, E. Rauscher, 2022 Astronomy & Astrophysics, Volume 663, A122, doi:10.1051/0004-6361/202142763
Multiwavelength View of the Close-by GRB 190829A Sheds Light on Gamma-Ray Burst Physics O.S. Salafia, M.E. Ravasio, J. Yang, T. An, M. Orienti, G. Ghirlanda, L. Nava, M. Giroletti, P. Mohan, **R. Spinelli**, Y, Zhang, B. Marcote, G. Cimo, X. Wu, Z. Li, 2022, The Astrophysical ´ Journal Letters, Volume 931, L19, doi:10.3847/2041-8213/ac6c28
Irradiation-driven escape of primordial planetary atmospheres I. The ATES photoionization hydrodynamics code A. Caldiroli, F. Haardt, E. Gallo, **R. Spinelli**, I. Malsky, E. Rauscher, 2021, Astronomy & Astrophysics, Volume 655, A30, doi:10.1051/0004-6361/202141497
The best place and time to live in the Milky Way **R. Spinelli**, G. Ghirlanda, F. Haardt, G. Ghisellini, 2021, Astronomy & Astrophysics, Volume 647, A41,

doi:10.1051/0004-6361/202039507
The high-energy radiation environment of the habitable-zone super-Earth LHS 1140b **R. Spinelli**, F. Borsa, G. Ghirlanda, G. Ghisellini, S. Campana, F. Haardt, E. Poretti, 2019, Astronomy & Astrophysics, Volume 627, A144, doi:10.1051/0004-6361/201935636

TELESCOPE TIME AS PRINCIPAL INVESTIGATOR

Swift Telescope. Cycle 16 - Characterizing the variability of the UV flux experienced by exoplanets in the habitable zone of M-dwarfs - 90 ks
REM telescope. Cycle AOT41 - Multi-wavelength observing campaign of M-dwarfs with habitable-zone exoplanets - 40 hr

TELESCOPE TIME AS CO-INVESTIGATOR

TNG Telescope. Cycle AOT45 - Revealing the atmosphere of a hot-Saturn transiting a bright star - 12 hr - P.I. F. Borsa
Swift Telescope. Cycle 15 - Characterizing the variability of the UV flux experienced by exoplanets in the habitable zone of M-dwarfs - 90 ks - P.I. F. Borsa

OUTREACH ACTIVITIES

Interview for FOCUS TV documentary I misteri dell'Universo, September 2022
Siamo soli nell'Universo? - meeting with schools, March 2022, (https://sites.google.com/iisfalcone-righi.edu.it/concorso-posta-per-et/incontriamo-lesperto)
Interview with an astronomer - PTCO project, Observatory of Brera (Merate), June 2021
La settimana dell'Astronomia - meeting with schools, April 2021, (https://lasettimanadellastronomia.it/eventi.php)
Webinar - Cieli di Brera - Esplosioni cosmiche ed estinzioni di massa, March 2021, (https://www.youtube.com/watch?v=dcZD5kmX2bc)
Interview with Media Inaf, March 2021 (https://www.media.inaf.it/2021/03/05/vita-e-grb/)
Co-organizer of outreach laboratories for the European Researchers Night, general relativity and gravitational waves, Milan, November 2018

OTHER PUBBLICATIONS

Le parole della bicicletta, Corriere della Sera, Gazzetta dello Sport, F. Bozzi, F. Cauz, G. Cervi, **R. Spinelli**
Il centogiro, Ediciclo editore, F. Bozzi, F. Cauz, L. Piccione, **R. Spinelli**, G. Cervi, C. Gregori, M. Ballestracci, A. Giardini, M. Pastonesi
Se qualcuno viene mi fa piacere, 2016, StreetLib, F. Bozzi, F. Cauz, L. Piccione, **R. Spinelli**
Chissa che l'utopia non vinca, 2018, StreetLib, F. Bozzi, F. Cauz, L. Piccione, **R. Spinelli**

REFEREES

Francesco Haardt, University of Insubria, francesco.haardt@uninsubria.it
Giancarlo Ghirlanda, Osservatorio di Brera-Merate, giancarlo.ghirlanda@inaf.it
Francesco Borsa, Osservatorio di Brera-Merate, francesco.borsa@inaf.it

Declarations given in the present curriculum must be considered released according to art. 46 and 47 of DPR n. 445/2000.

The present curriculum does not contain confidential and legal information according to art. 4, paragraph 1, points d) and e) of D.Lgs. 30.06.2003 n. 196.

Place and date: Milano, 16/01/2023

SIGNATURE

Riccardo Ginelli